

ry table work in the laboratory, and forceps, needles, and knives used in microscopic manipulation are treated to frequent boiling baths.—J. T. ROTHROCK.

Audibertia Vaseyi, n. sp.—A low, branching shrub; flowering branches stout and rigid, the herbaceous upper portions whitish, cinereous puberulent and viscid-glandular; leaves lance-ovate, acute or obtusish, 1 to 1½ inches long, narrowed into rather slender petioles ¼ to ½ an inch long, crenulate, not manifestly rugose, coated with a close white tomentum; heads of flowers about 6, in virgate spikes, 1 to 2 inches apart, lower ones subtended by a pair of leaf-like bracts; the inner floral bracts lanceolate to linear, setaceously acuminate; broad upper lips of the calyx furnished with a single conspicuous awn, the two teeth of the lower one likewise awned; corollas from ½ to ⅔ of an inch in length, exceeding the bracts; stamens and styles exerted

Mountain Springs, San Diego county, California, June 1880. This plant is No. 500 of a large and fine collection made last summer in lower California by Mr. G. R. Vasey, in whose honor it is named.—THOS. C. PORTER, *Easton, Pa.*

Carnivorous Plants. V.—EXPERIMENT NO. XII—Placed upon a leaf a small fiber of muscle drawn from a piece of boiled beef, at 3 P. M., June 12, '79. The fiber was teased out from the mass of muscles and rolled into a ball having its diameter about 1-12 of an inch.

- 15 min. no change visible.
- 30 “ a few of the submarginal tentacles had inflected slightly.
- 45 “ the tentacles of last note nearly touched the specimen; a number of the other submarginal tentacles had moved considerably; a few of the marginal tentacles were also inflected.
- 1 hr. all the submarginal tentacles were more or less inflected and nearly all touched the meat; all but ten of the marginal tentacles were also inflected, varving in degree; the ten were still fully reflexed. To four of these another experiment was applied which will be fully explained in its proper place.
- 2 hrs. practically there was no change except that six of the ten marginal tentacles mentioned in last note had inflected slightly.
- 3 “ no important change.
- 15 “ all the tentacles were inflected and touched the meat except the four mentioned above which still normally reflexed.
- 24 “ the edges of the leaf still remained normal.
- 48 “ the meat upon the leaf seemed to be enclosed in a semi-transparent fluid containing fat globules as shown by removing a portion by a blunt needle and placing under the microscope. The globules were soluble in ether. The body of the meat itself had assumed a dark brown color. The tentacles and leaf remained the same as the last note.
- 72 “ nothing but an opaque yellowish substance remained upon the leaf.
- 96 “ there was but little change.
- 120 “ the opaque substance upon the leaf had changed into a nearly transparent thickish fluid.